

Lars Bode

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

116
papers

6,006
citations

39
h-index

77
g-index

122
ext. papers

7,674
ext. citations

6.1
avg, IF

6.69
L-index

#	Paper	IF	Citations
116	Human milk oligosaccharides: every baby needs a sugar mama. <i>Glycobiology</i> , 2012 , 22, 1147-62	5.8	966
115	The First Microbial Colonizers of the Human Gut: Composition, Activities, and Health Implications of the Infant Gut Microbiota. <i>Microbiology and Molecular Biology Reviews</i> , 2017 , 81,	13.2	626
114	The functional biology of human milk oligosaccharides. <i>Early Human Development</i> , 2015 , 91, 619-22	2.2	239
113	The human milk oligosaccharide disialyllacto-N-tetraose prevents necrotising enterocolitis in neonatal rats. <i>Gut</i> , 2012 , 61, 1417-25	19.2	237
112	Recent advances on structure, metabolism, and function of human milk oligosaccharides. <i>Journal of Nutrition</i> , 2006 , 136, 2127-30	4.1	236
111	Human milk oligosaccharides: prebiotics and beyond. <i>Nutrition Reviews</i> , 2009 , 67 Suppl 2, S183-91	6.4	217
110	Composition and Variation of the Human Milk Microbiota Are Influenced by Maternal and Early-Life Factors. <i>Cell Host and Microbe</i> , 2019 , 25, 324-335.e4	23.4	214
109	What's normal? Oligosaccharide concentrations and profiles in milk produced by healthy women vary geographically. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 1086-1100	7	196
108	Structure-function relationships of human milk oligosaccharides. <i>Advances in Nutrition</i> , 2012 , 3, 383S-915S	5.0	181
107	Immunological Effects of Human Milk Oligosaccharides. <i>Frontiers in Pediatrics</i> , 2018 , 6, 190	3.4	132
106	Human milk oligosaccharides reduce platelet-neutrophil complex formation leading to a decrease in neutrophil beta 2 integrin expression. <i>Journal of Leukocyte Biology</i> , 2004 , 76, 820-6	6.5	125
105	Associations between human milk oligosaccharides and infant body composition in the first 6 mo of life. <i>American Journal of Clinical Nutrition</i> , 2015 , 102, 1381-8	7	124
104	Human milk oligosaccharide composition predicts risk of necrotising enterocolitis in preterm infants. <i>Gut</i> , 2018 , 67, 1064-1070	19.2	123
103	Human Milk Oligosaccharide Concentrations Are Associated with Multiple Fixed and Modifiable Maternal Characteristics, Environmental Factors, and Feeding Practices. <i>Journal of Nutrition</i> , 2018 , 148, 1733-1742	4.1	110
102	Heparan sulfate and syndecan-1 are essential in maintaining murine and human intestinal epithelial barrier function. <i>Journal of Clinical Investigation</i> , 2008 , 118, 229-38	15.9	108
101	Human milk oligosaccharides inhibit growth of group B. <i>Journal of Biological Chemistry</i> , 2017 , 292, 11243-11249	5.1	92
100	Human milk oligosaccharide concentration and risk of postnatal transmission of HIV through breastfeeding. <i>American Journal of Clinical Nutrition</i> , 2012 , 96, 831-9	7	85

99	Human milk oligosaccharides, milk microbiome and infant gut microbiome modulate neonatal rotavirus infection. <i>Nature Communications</i> , 2018 , 9, 5010	17.4	82
98	SARS-CoV-2 and human milk: What is the evidence?. <i>Maternal and Child Nutrition</i> , 2020 , 16, e13032	3.4	78
97	Human milk oligosaccharides and development of cow's milk allergy in infants. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 708-711.e5	11.5	78
96	Overcoming the limited availability of human milk oligosaccharides: challenges and opportunities for research and application. <i>Nutrition Reviews</i> , 2016 , 74, 635-44	6.4	77
95	Human milk oligosaccharides protect against enteropathogenic Escherichia coli attachment in vitro and EPEC colonization in suckling mice. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2014 , 58, 165-8	2.8	68
94	Randomized controlled trial on the impact of early-life intervention with bifidobacteria on the healthy infant fecal microbiota and metabolome. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 1274-1286	7.2	66
93	Sialylated galacto-oligosaccharides and 2-fucosyllactose reduce necrotizing enterocolitis in neonatal rats. <i>British Journal of Nutrition</i> , 2016 , 116, 294-9	3.6	61
92	Human milk oligosaccharides protect bladder epithelial cells against uropathogenic Escherichia coli invasion and cytotoxicity. <i>Journal of Infectious Diseases</i> , 2014 , 209, 389-98	7	59
91	What's Normal? Immune Profiling of Human Milk from Healthy Women Living in Different Geographical and Socioeconomic Settings. <i>Frontiers in Immunology</i> , 2017 , 8, 696	8.4	58
90	Maternal HIV infection influences the microbiome of HIV-uninfected infants. <i>Science Translational Medicine</i> , 2016 , 8, 349ra100	17.5	57
89	Heparan sulfate plays a central role in a dynamic in vitro model of protein-losing enteropathy. <i>Journal of Biological Chemistry</i> , 2006 , 281, 7809-15	5.4	56
88	Human Milk Oligosaccharides and Associations With Immune-Mediated Disease and Infection in Childhood: A Systematic Review. <i>Frontiers in Pediatrics</i> , 2018 , 6, 91	3.4	54
87	Human Milk Oligosaccharides Inhibit Candida albicans Invasion of Human Premature Intestinal Epithelial Cells. <i>Journal of Nutrition</i> , 2015 , 145, 1992-8	4.1	51
86	Breastmilk Feeding Practices Are Associated with the Co-Occurrence of Bacteria in Mothers' Milk and the Infant Gut: the CHILD Cohort Study. <i>Cell Host and Microbe</i> , 2020 , 28, 285-297.e4	23.4	51
85	Human milk oligosaccharides differ between HIV-infected and HIV-uninfected mothers and are related to necrotizing enterocolitis incidence in their preterm very-low-birth-weight infants. <i>Journal of Nutrition</i> , 2014 , 144, 1227-33	4.1	47
84	Heparan sulfate depletion amplifies TNF-alpha-induced protein leakage in an in vitro model of protein-losing enteropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2005 , 288, G1015-23	5.1	47
83	Associations between human milk oligosaccharides and growth in infancy and early childhood. <i>American Journal of Clinical Nutrition</i> , 2020 , 111, 769-778	7	47
82	Oligosaccharide composition of breast milk influences survival of uninfected children born to HIV-infected mothers in Lusaka, Zambia. <i>Journal of Nutrition</i> , 2015 , 145, 66-72	4.1	46

81	Glycan-dependent viral infection in infants and the role of human milk oligosaccharides. <i>Current Opinion in Virology</i> , 2014 , 7, 101-7	7.5	46
80	Human milk oligosaccharide 2Ufucosyllactose links feedings at 1 month to cognitive development at 24 months in infants of normal and overweight mothers. <i>PLoS ONE</i> , 2020 , 15, e0228323	3.7	45
79	Human Milk Oligosaccharides in the Prevention of Necrotizing Enterocolitis: A Journey From and Models to Mother-Infant Cohort Studies. <i>Frontiers in Pediatrics</i> , 2018 , 6, 385	3.4	44
78	Integrated Analysis of Human Milk Microbiota With Oligosaccharides and Fatty Acids in the CHILD Cohort. <i>Frontiers in Nutrition</i> , 2019 , 6, 58	6.2	42
77	Human Milk Oligosaccharide Composition Is Associated With Excessive Weight Gain During Exclusive Breastfeeding-An Explorative Study. <i>Frontiers in Pediatrics</i> , 2019 , 7, 297	3.4	38
76	Human milk oligosaccharide DSLNT and gut microbiome in preterm infants predicts necrotising enterocolitis. <i>Gut</i> , 2021 , 70, 2273-2282	19.2	36
75	Understanding the mother-breastmilk-infant "triad". <i>Science</i> , 2020 , 367, 1070-1072	33.3	33
74	Relationships Among Microbial Communities, Maternal Cells, Oligosaccharides, and Macronutrients in Human Milk. <i>Journal of Human Lactation</i> , 2017 , 33, 540-551	2.6	32
73	Enzymatic and Chemoenzymatic Syntheses of Disialyl Glycans and Their Necrotizing Enterocolitis Preventing Effects. <i>Journal of Organic Chemistry</i> , 2017 , 82, 13152-13160	4.2	31
72	Human Milk Oligosaccharides and the Preterm Infant: A Journey in Sickness and in Health. <i>Clinics in Perinatology</i> , 2017 , 44, 193-207	2.8	30
71	Evidence of human milk oligosaccharides in maternal circulation already during pregnancy: a pilot study. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 316, E347-E357	6	29
70	Maternal diet alters human milk oligosaccharide composition with implications for the milk metagenome. <i>Scientific Reports</i> , 2020 , 10, 22092	4.9	27
69	Applied glycoproteomics--approaches to study genetic-environmental collisions causing protein-losing enteropathy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006 , 1760, 547-59	4	26
68	Human Milk Oligosaccharide Profile Variation Throughout Postpartum in Healthy Women in a Brazilian Cohort. <i>Nutrients</i> , 2020 , 12,	6.7	24
67	Exercise-induced 3Usialyllactose in breast milk is a critical mediator to improve metabolic health and cardiac function in mouse offspring. <i>Nature Metabolism</i> , 2020 , 2, 678-687	14.6	22
66	Infants Are Exposed to Human Milk Oligosaccharides Already. <i>Frontiers in Pediatrics</i> , 2018 , 6, 270	3.4	22
65	Association of Maternal Probiotic Supplementation With Human Milk Oligosaccharide Composition. <i>JAMA Pediatrics</i> , 2019 , 173, 286-288	8.3	21
64	Breast Milk of HIV-Positive Mothers Has Potent and Species-Specific In Vivo HIV-Inhibitory Activity. <i>Journal of Virology</i> , 2015 , 89, 10868-78	6.6	18

63	Human Milk Oligosaccharides: Structure and Functions. <i>Nestle Nutrition Institute Workshop Series</i> , 2020 , 94, 115-123	1.9	17
62	Longitudinal Changes in Human Milk Oligosaccharides (HMOs) Over the Course of 24 Months of Lactation. <i>Journal of Nutrition</i> , 2021 , 151, 876-882	4.1	17
61	Bovine colostrum-driven modulation of intestinal epithelial cells for increased commensal colonisation. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 2745-2758	5.7	16
60	Human milk fungi: environmental determinants and inter-kingdom associations with milk bacteria in the CHILD Cohort Study. <i>BMC Microbiology</i> , 2020 , 20, 146	4.5	16
59	Investigating bifidobacteria and human milk oligosaccharide composition of lactating mothers. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	16
58	Human Milk Oligosaccharide Concentrations and Infant Intakes Are Associated with Maternal Overweight and Obesity and Predict Infant Growth. <i>Nutrients</i> , 2021 , 13,	6.7	16
57	Household composition and the infant fecal microbiome: The INSPIRE study. <i>American Journal of Physical Anthropology</i> , 2019 , 169, 526-539	2.5	15
56	The effect of simulated flash heating pasteurisation and Holder pasteurisation on human milk oligosaccharides. <i>Paediatrics and International Child Health</i> , 2017 , 37, 204-209	1.4	14
55	Human milk oligosaccharide profiles and allergic disease up to 18 years. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 147, 1041-1048	11.5	14
54	Breastfeeding and the origins of health: Interdisciplinary perspectives and priorities. <i>Maternal and Child Nutrition</i> , 2021 , 17, e13109	3.4	13
53	SARS-CoV-2 and human milk: what is the evidence? 2020 ,		12
52	Promoting and Protecting Human Milk and Breastfeeding in a COVID-19 World. <i>Frontiers in Pediatrics</i> , 2020 , 8, 633700	3.4	12
51	Interrogation of Milk-Driven Changes to the Proteome of Intestinal Epithelial Cells by Integrated Proteomics and Glycomics. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 1902-1917	5.7	11
50	Human Milk Oligosaccharides at the Interface of Maternal-Infant Health. <i>Breastfeeding Medicine</i> , 2018 , 13, S7-S8	2.1	11
49	Variation in Human Milk Composition Is Related to Differences in Milk and Infant Fecal Microbial Communities. <i>Microorganisms</i> , 2021 , 9,	4.9	9
48	Human milk oligosaccharides and their association with late-onset neonatal sepsis in Peruvian very-low-birth-weight infants. <i>American Journal of Clinical Nutrition</i> , 2020 , 112, 106-112	7	8
47	Third-Trimester Glucose Homeostasis in Healthy Women Is Differentially Associated with Human Milk Oligosaccharide Composition at 2 Months Postpartum by Secretor Phenotype. <i>Nutrients</i> , 2020 , 12,	6.7	8
46	No Evidence of Infectious SARS-CoV-2 in Human Milk: Analysis of a Cohort of 110 Lactating Women 2021 ,		8

45	Glucose 6-phosphate dehydrogenase 6-phosphogluconolactonase: characterization of the Plasmodium vivax enzyme and inhibitor studies. <i>Malaria Journal</i> , 2019 , 18, 22	3.6	7
44	Associations between human milk oligosaccharides (HMOs) and eating behaviour in Hispanic infants at 1 and 6 months of age. <i>Pediatric Obesity</i> , 2020 , 15, e12686	4.6	7
43	No infectious SARS-CoV-2 in breast milk from a cohort of 110 lactating women.. <i>Pediatric Research</i> , 2022 ,	3.2	7
42	Breastmilk Lipids and Oligosaccharides Influence Branched Short-Chain Fatty Acid Concentrations in Infants with Excessive Weight Gain. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1900977	5.9	7
41	Human Milk Oligosaccharides and Hispanic Infant Weight Gain in the First 6 Months. <i>Obesity</i> , 2020 , 28, 1519-1525	8	7
40	Lactose-reduced infant formula with added corn syrup solids is associated with a distinct gut microbiota in Hispanic infants. <i>Gut Microbes</i> , 2020 , 12, 1813534	8.8	7
39	Infant gut microbiome is enriched with Bifidobacterium longum ssp. infantis in Old Order Mennonites with traditional farming lifestyle. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 3489-3503	9.3	7
38	Deficiency of Intestinal α -2-Fucosylation Exacerbates Ethanol-Induced Liver Disease in Mice. <i>Alcoholism: Clinical and Experimental Research</i> , 2020 , 44, 1842-1851	3.7	5
37	Maternal milk microbiota and oligosaccharides contribute to the infant gut microbiota assembly. <i>ISME Communications</i> , 2021 , 1,		5
36	Through Thick and Thin: The In Vitro Effects of Thickeners on Infant Feed Viscosity. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2019 , 69, e122-e128	2.8	5
35	Correcting for sparsity and non-independence in glycomic data through a systems biology framework		4
34	Associations of maternal fructose and sugar-sweetened beverage and juice intake during lactation with infant neurodevelopmental outcomes at 24 months. <i>American Journal of Clinical Nutrition</i> , 2020 , 112, 1516-1522	7	4
33	Human Milk Oligosaccharides Reduce Murine Group B Vaginal Colonization with Minimal Impact on the Vaginal Microbiota.. <i>MSphere</i> , 2022 , e0088521	5	3
32	Comparison of Two Approaches for the Metataxonomic Analysis of the Human Milk Microbiome. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 622550	5.9	3
31	Microbiota control of maternal behavior regulates early postnatal growth of offspring. <i>Science Advances</i> , 2021 , 7,	14.3	3
30	Correcting for sparsity and interdependence in glycomics by accounting for glycan biosynthesis. <i>Nature Communications</i> , 2021 , 12, 4988	17.4	3
29	Human milk oligosaccharides alter the intestinal epithelial cell surface glycome: A proof-of-principle. <i>FASEB Journal</i> , 2010 , 24, 206.2	0.9	2
28	A new HPLC-based method to profile and quantify Human Milk Oligosaccharides from as little as 1 μ L milk. <i>FASEB Journal</i> , 2010 , 24, 556.20	0.9	2

27	Elucidating Human Milk Oligosaccharide biosynthetic genes through network-based multiomics integration	2
26	Development of a biochemical marker to detect current breast milk intake. <i>Maternal and Child Nutrition</i> , 2020 , 16, e12859	3.4 2
25	Intestinal α -2-Fucosylation Contributes to Obesity and Steatohepatitis in Mice. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021 , 12, 293-320	7.9 2
24	Human milk: From complex tailored nutrition to bioactive impact on child cognition and behavior.. <i>Critical Reviews in Food Science and Nutrition</i> , 2022 , 1-38	11.5 2
23	Associations between maternal obesity and offspring gut microbiome in the first year of life.. <i>Pediatric Obesity</i> , 2022 , e12921	4.6 2
22	The Human-Milk Oligosaccharide Profile of Lactating Women in Dhaka, Bangladesh.. <i>Current Developments in Nutrition</i> , 2021 , 5, n2ab137	0.4 1
21	Point-of-care human milk testing for maternal secretor status. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1	4.4 1
20	Traditional Farming Lifestyle in Old Older Mennonites Modulates Human Milk Composition. <i>Frontiers in Immunology</i> , 2021 , 12, 741513	8.4 1
19	Loss of cell-associated heparan sulfate (HS) amplifies IFN γ and TNF α induced protein leakage in a model of Protein-Losing Enteropathy (PLE). <i>FASEB Journal</i> , 2006 , 20, A913	0.9 1
18	Isolation and purification of Human Milk Oligosaccharides by two-dimensional chromatography for in vitro and in vivo studies. <i>FASEB Journal</i> , 2010 , 24, 206.1	0.9 1
17	A comparison of macronutrient-based methods for deriving energy values in human milk. <i>Journal of Perinatology</i> , 2020 , 40, 1688-1693	3.1 1
16	Obesogenic Programming Effects during Lactation: A Narrative Review and Conceptual Model Focusing on Underlying Mechanisms and Promising Future Research Avenues. <i>Nutrients</i> , 2021 , 13,	6.7 1
15	Associations Between Human Milk Oligosaccharides at 1 Month and Infant Development Throughout the First Year of Life in a Brazilian Cohort. <i>Journal of Nutrition</i> , 2021 , 151, 3543-3554	4.1 1
14	The impact of maternal asthma on the preterm infants' gut metabolome and microbiome (MAP study).. <i>Scientific Reports</i> , 2022 , 12, 6437	4.9 1
13	Elucidating Human Milk Oligosaccharide biosynthetic genes through network-based multi-omics integration.. <i>Nature Communications</i> , 2022 , 13, 2455	17.4 1
12	Interactions between human milk oligosaccharides, microbiota and immune factors in milk of women with and without mastitis.. <i>Scientific Reports</i> , 2022 , 12, 1367	4.9 0
11	Oligosaccharides and Microbiota in Human Milk Are Interrelated at 3 Months Postpartum in a Cohort of Women with a High Prevalence of Gestational Impaired Glucose Tolerance. <i>Journal of Nutrition</i> , 2021 , 151, 3431-3441	4.1 0
10	1.4.6 Oligosaccharides in Human Milk.. <i>World Review of Nutrition and Dietetics</i> , 2022 , 124, 115-121	0.2 0

9	Maternal Diet Is Associated with Human Milk Oligosaccharide Profile. <i>Molecular Nutrition and Food Research</i> , 2200058	5.9	o
8	Welcome and Opening Remarks. <i>Breastfeeding Medicine</i> , 2018, 13, S2	2.1	
7	Protective Effects of Human Milk Oligosaccharides on Intestinal Epithelial Function Assessed in Enteroid-Derived Monolayers. <i>FASEB Journal</i> , 2018, 32, 873.22	0.9	
6	Human milk oligosaccharides prevent Necrotizing Enterocolitis in neonatal rats. <i>FASEB Journal</i> , 2010, 24, 206.3	0.9	
5	A low body mass index reduces Human Milk Oligosaccharide concentration in breast milk of Bangladeshi women. <i>FASEB Journal</i> , 2010, 24, 556.10	0.9	
4	Correlations between human milk bacteria and oligosaccharide concentrations. <i>FASEB Journal</i> , 2011, 25, 104.3	0.9	
3	Human milk oligosaccharides enhance the growth of Staphylococci. <i>FASEB Journal</i> , 2012, 26, 268.8	0.9	
2	Human milk oligosaccharides reduce EPEC attachment in vitro and EPEC colonization in mice. <i>FASEB Journal</i> , 2013, 27, 45.6	0.9	
1	Relationship between human milk oligosaccharides and fecal microbiome of breastfed infants. <i>FASEB Journal</i> , 2013, 27, 45.5	0.9	